

Ricoh Priort DX 4640PD
Digital Duplicator
High-volume duplex productivity

RICOH



fast



duplex



efficient



Ricoh Priort DX 4640PD

High-volume duplication with duplexing.

As the industry's first duplexing digital duplicator, the RICOH® Priort DX 4640PD is specifically engineered to deliver large volumes of two-sided output with excellent image quality and outstanding cost efficiency. This reliable, user-friendly system sets a new standard for affordable, high-volume productivity. It enables healthcare providers, print-for-pay facilities, central reproduction departments (CRD) and others to dramatically increase output speed while keeping cost-per-page extremely low.



PrintCopyScanDuplex

Fast, Flawless Performance

The Ricoh Priort DX 4640PD incorporates an innovative design and specialized paper feeding mechanism to deliver reliable duplex printing in a single pass. It also handles a wide range of paper sizes for one-sided documents, so users can expect superior productivity for a variety of print jobs.

- Complete large jobs quickly with output speeds up to 120 two-sided 8.5" x 11" pages-per-minute (ppm), or 240 images-per-minute (ipm). At this rate, users can produce over 14,000 impressions-per-hour.
- Improve productivity more than 40% by printing two-sided documents, eliminating wait-time for drying ink, and the need to feed sheets into the system twice.
- Optimize productivity for one-sided documents with output speeds up to 135 ppm.
- Maximize efficiency with multifunctional capabilities. The Ricoh Priort DX 4640PD serves as a high-volume network printer as well as a digital copier. Users can duplicate documents from the platen or scan them with the automatic reversing document feeder.
- Store frequently duplicated documents on the hard drive for instant reprints.
- Get started on important jobs immediately with a first-print time as low as 12 seconds.



The Ricoh Priort DX 4640PD uses an innovative drum design and duplex tray to duplicate two-sided documents with speed and cost efficiency.

Consistent, Crisp Image Quality

The Ricoh Priort DX 4640PD delivers high-quality output for every document it duplicates.

- Produce bold solids, halftones and photos—while eliminating print-through—with well-defined masters and evenly percolated ink.
- Improve reliability with automatic print pressure control, which adjusts system settings according to slight fluctuations in print speed, temperature and humidity.
- Ensure registration from page-to-page, and fine-tune results with an adjustable margin of 0.25 mm.
- Minimize off-set with a paper delivery tray that uses unique buffer fins to align finished sheets with precision.



The Ricoh Priort DX 4640PD with "direct-to-plate" technology allows quick reproduction of duplex documents.

Measurable Cost Savings

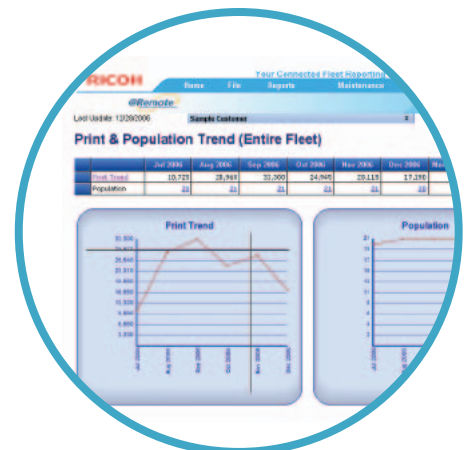
The Ricoh Priort DX 4640PD is geared for cost-conscious users who need to increase output volumes and keep operating costs as low as possible.

- Drop cost-per-page for large print and copy volumes to just fractions of a cent—then cut that cost even further with duplex output.
- Reduce cost-per-page even more with a durable, long-lasting master that can easily handle up to 4,000 one-sided images or 8,000 duplex images.

Easy, Intuitive Operation

The Ricoh Priort DX 4640PD delivers output speed and image quality that rival the capabilities of a small printing press, yet it is as easy to use as a conventional copier.

- Speed through job setup quickly with the large, easy-to-navigate LCD touch-screen panel.



Detailed fleet reports from the @Remote service make it easy to track costs and measure performance.

Productive Efficient Fast

- Eliminate errors in printing and master-making with a single button that initiates both activities. Process status is clearly displayed.
- Prepare the Ricoh Priort DX 4640PD for operation in less than 15 seconds. Getting the system ready is as easy as turning the system on, and finishing is as simple as turning it off. No labor intensive clean up is required such as with an offset press.
- Loading supplies is easy, even for new users. Disposing of used masters is quick, clean and easy. The user never is required to touch the inked up masters. Just push a lever to dispose of the old master in a secure receptacle.

Intelligent Remote Management

The Ricoh Priort DX 4640PD comes equipped with several ways to streamline administration.

- @Remote™ Intelligent Remote Management System is a device management service for networked products that automatically collects meter data from the Ricoh Priort DX 4640PD which enables remote meter reading and billing. In addition, the customer can have access to detailed fleet utilization reporting that helps IT departments keep track of output and total costs.
- Monitor system status or adjust setting remotely over the network with SmartDeviceMonitor™, or over the Web with Web Image Monitor™ software.

Solid Durability

The Ricoh Priort DX 4640PD delivers the reliable performance necessary to ensure smooth, uninterrupted production and strong, long-term investment protection.

- Keep service calls to a minimum with a high duty cycle, up to 600,000 prints per month.
- Expect longer system life with a design that features minimal moving parts and “cold process” print technology that does not require a fuser.
- Enjoy automatic detection and resolution of paper jams, misfeeds or double-feeds with the Double Feed Detector and Paper Feed Retry features.

Quality Output for Multiple Markets

For many kinds of users, the Ricoh Priort DX 4640PD offers a smart, affordable way to complete high-volume print jobs quickly and cost effectively.

- Hospitals, clinics and other healthcare providers can print two-sided patient forms, including those that require NCR paper.
- Schools, colleges, and university CRDs can produce enrollment paperwork, permission documents and other two-sided forms without expensive outsourcing.
- Large churches and other faith-based organizations can print two-sided program inserts, bulletins, newsletters and fundraising materials.
- Print-for-pay facilities can create profitable new revenue streams for customers that need large volumes of duplex documents.
- In-plant and CRD sites can cost efficiently produce business forms and notices in-house reducing the need for outsourcing, allowing the proper utilization of other production equipment such as large digital copiers.



Your Environmental Partner

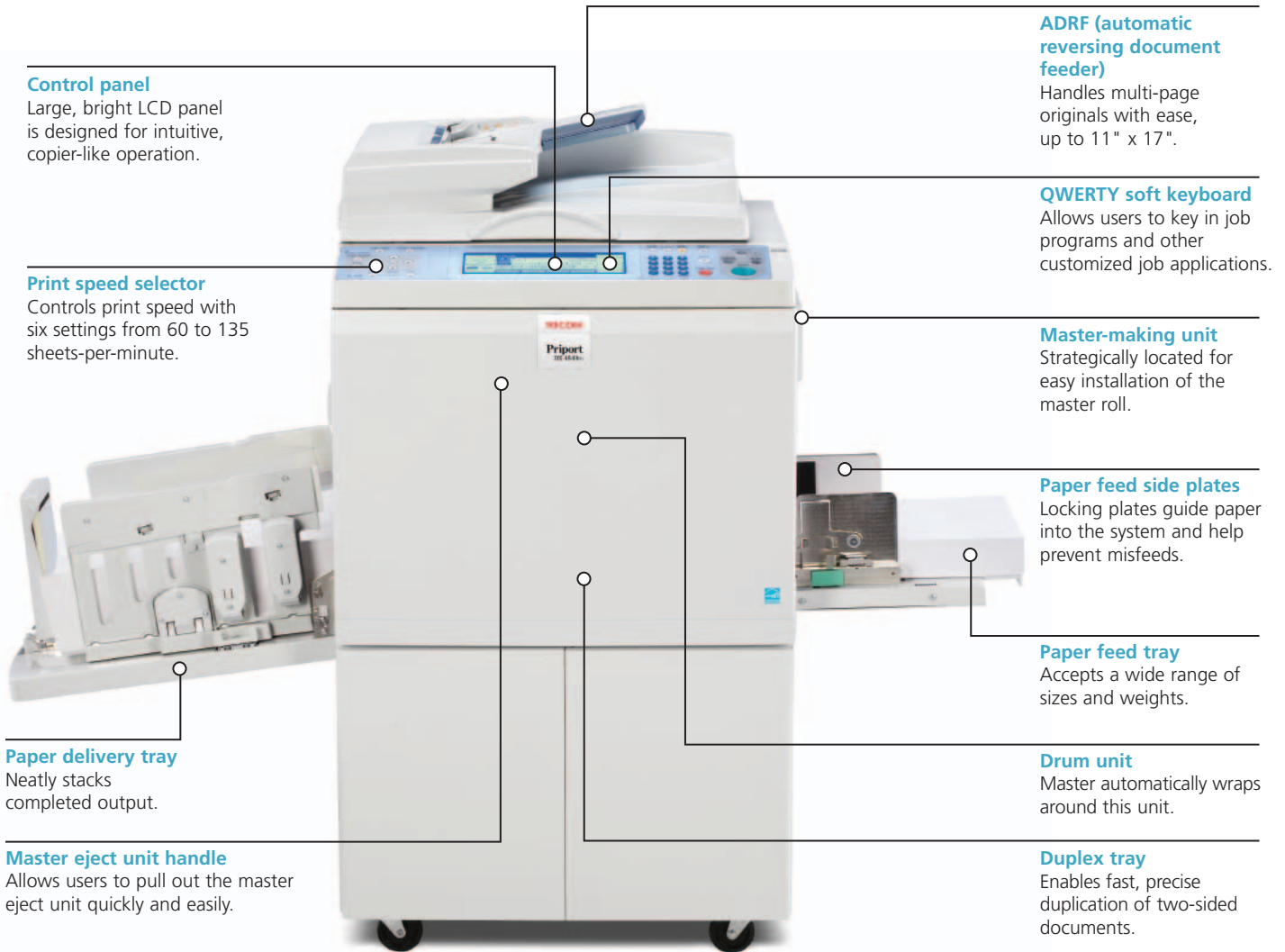


Ricoh continues its long-standing commitment to developing office solutions with environmentally friendly and superior energy- and supply-saving features, without compromising productivity, including:

- Quick Start-Up (QSU) Technology
- Power-Saving Sleep Mode
- Minimal Ozone Emissions

PrintCopyScanDuplex

High-quality, Cost-saving Performance



Accessories

LS3000R



Print large jobs with virtually nonstop productivity using the LS3000R Large Capacity System, which holds up to 3,000 sheets.

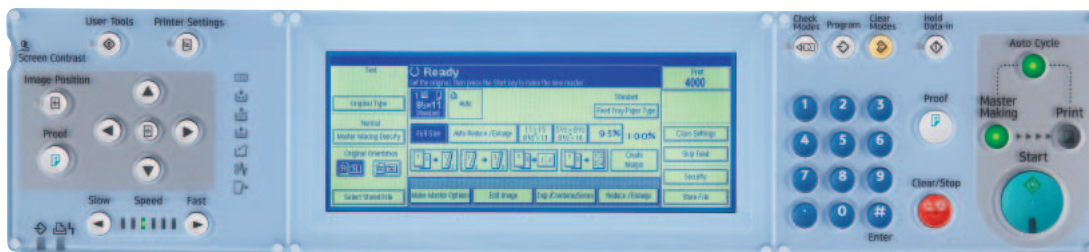
TC-IIR



Save time and cut costs on multicolor jobs by printing two colors in a single pass with the TC-IIR Digital Production Printer.

Ricoh Priport DX 4640PD

System Specifications



General Specifications

Master processing	Digital/Printer controller built-in
Printing process	Press Roller System
Original type	Sheets, Book
Original size	Maximum 11.8" x 17.0"
Pixel density	Scanning: 600 dpi X 400 dpi Master-making: 400 dpi X 400 dpi
Image mode	- Letter mode - Letter / Photo auto separation Contrast: strong, standard, soft - Photo mode Dots pattern: standard, rough (4 levels) Contrast: high, standard, low - Tint mode - Pencil mode
Image density	4 levels: Lighter, Normal, Dark, Very dark
Reproduction ratio	6 Reduction and 5 Enlargement: 50%, 65%, 74%, 77%, 85%, 93%, 100%, 121%, 129%, 155%, 200%
Zoom	50-200 % (in 1 % step)
Directional magnification	50-200 % (in 1 % step, in 1 mm step)
Auto magnification selection	Available
Printing area	10.8" x 16.6"
Printing area (One-sided print)	
Leading edge margin	Less than 6 mm
Print paper size (One-sided print)	Maximum: 12.8" x 17.6" Minimum: 2.8" x 5.8"
Print paper weight (One-sided print)	13 lb. Bond - 110 lb. Index
First print time (One-sided print)	Portrait: 12 sec.
Image position (One-sided print)	Vertical: ± 0.39" Horizontal: ± 0.39" Minimum movable unit: 0.01"
Printing speed (One-sided print)	60-135 sheets / minute for 8.5" x 11" and below (6 levels) 60-120 sheets / minute for 11" x 17" (5 levels)
Paper feed table capacity	1,000 sheets (20 lb. paper)
Paper delivery table capacity	1,000 sheets (20 lb. paper)
Master feed capacity	More than 200 masters / roll
Ejected master capacity	DLT: More than 100 masters
Color drum change	Available
Conserving master	Available
Auto color detection	Available
Auto density control	Available
Auto shut-off	Available
Security mode	Available (Higher / Normal)
User code	Up to 200 codes
Class	Available
Program mode	Available (10 programs)
Skip feed (One-sided only)	Available
User tool	Available
Margin erase	Available
Auto background correction	Available
Image rotation	Available
Original storage	Available
Multiple copy mode	Combine printing: 2 in 1, 4 in 1 Repeat printing: 2 in 1, 4 in 1, 8 in 1, 16 in 1 and custom
Overlay (One-sided print)	Available
Stamping (One-sided print)	Available
Quality start	Available

Power source	120V, 60Hz
Dimensions (W x D x H) with table	
Platen cover:	55.90" x 28.34" x 40.15"
ARDF:	55.90" x 28.34" x 44.48"
Net Weight Without table	
Machine with Platen cover:	261.24 lb.
Machine with ADF:	278.88 lb.
Printing area (Duplex)	10.8" x 8"
Print paper size (Duplex)	Only 8.5" x 11"
Print paper weight (Duplex)	17 lb. to 28 lb. Bond
First print time (Duplex) ADF	
	8.5" x 11" portrait duplex print: 46 seconds (One-sided original)
	8.5" x 11" portrait duplex print: 50 seconds (Duplex original)
Image position (Duplex)	Vertical: ±0.1" Horizontal: ± 0.39" Minimum movable unit: 0.01"
Printing speed (Duplex)	120-240 images / minute (5 levels) (60-120 sheets / minute (5 levels))

General Features of Printer Controller

CPU	TX4955-300MHz
RAM	128 MB (Resident 64 MB + 64 MB additional memory)
Note: Additional 64 MB Memory is pre-installed.	
Hard Disk Drive	Option
PDL	RPCS Adobe®PostScript®3™ (Option)
Print Resolution	400 dpi x 400 dpi
Fonts	RPCS: Arial PS3: 136 Adobe®PostScript®fonts (Option)
Host Interface	Ethernet (Ethernet 100BaseTX/10BaseT) USB 2.0 IEEE802.11b (Wireless LAN) Interface (Option) Parallel Port IEEE1284 (Option)
Note: Only one of above option can be installed.	
Network Protocol	TCP/IP, IPX/SPX, NetBEUI, AppleTalk
MIB support	PrinterMIB
Network/Operating Systems	Windows95/98/Me/NT4.0/2000/XP/Server2003 Mac OS 8.6 - 9.X, Mac OS X (10.1 - 10.4)

Note: Mac OS only works for PS3

Controller Options

Extension HDD Type 1	40 GB (6 GB for document storage)
Memory Unit Type C (128 MB/256 MB)	SDRAM
PostScript 3 Board Type 2	Module type ROM DIMM
IEEE 802.11b I/F Unit Type 1	
Protocol	TCP/IP, NetBEUI, IPX/SPX, AppleTalk
Data transfer speed	Auto select from below speed 1Mbps, 2Mbps, 5.5Mbps, 11Mbps 2412-2462 MHz (1-11 channels)
Frequency range	
Transmittable distance	1Mbps 400 m 2Mbps 270 m 5.5Mbps 200 m 11Mbps 140 m
Transmission mode	802.11 ad-hoc, ad-hoc, and infrastructure mode
IEEE 1284 Parallel Board Type 1	Standard IEEE 1284 compliant Micro Centronics 36 pin cable

Auto Document Feeder

Product name	ARDF Type 4640
Simplex	Standard sized papers: DLT, LT, LG Non-standard sized papers: Vertical: 4.2" - 11.7" Horizontal: 5.1" - 34" DLT, LT, LG, 14 to 28 lb. Standard sized papers: 14 to 34 lb. Non-standard sized papers: 14 to 28 lb. 14 to 28 lb.
Duplex	
Original weight	50 sheets (20 lb. paper)
Simplex	From mainframe W 21.65" x D 18.50" x H 5.11" 22.04 lb.
Duplex	
Original table capacity	50 sheets (20 lb. paper)
Power source	
Dimensions (W x D x H)	
Net Weight	

TC-IIR (Twin color printing system)

Product name	TC-IIR
Configuration	Floor Standing (with optional cabinet)
Master processing	No master making unit
Printing process	Twin color press roller printing system
Printing area	11.4" x 16.0"
Print paper size	Maximum 12.8" x 17.3" Minimum 2.8" x 9.8" 12.5 lb. Bond - 110 lb. Index
Print paper weight	
Image position	
1st drum	Vertical: ±15 mm Horizontal: ± 10 mm
2nd drum	Vertical: ± 5 mm Horizontal: ± 10 mm 0.125 mm
Minimum movable unit (2nd drum)	
Printing speed	90-120 sheets / minute (90,105,120 cpm)
Skip feed	Available
Friction control	Available
Paper type selection	Available
Auto switch off	Available
Paper feed table capacity	1,000 sheets (20 lb. paper)
Paper delivery table capacity	1,000 sheets (20 lb. paper)
Paper counter	Standard
Color drum change	Available
Power source	110 - 120V, 60Hz
Power consumption	120cpm printing: 550W
Dimensions (W x D x H)	W: 61.22" x D: 24.80" x H: 21.85"
Weight	194 lb. With 2 drums 227.07 lb.

LCS (Large capacity system)

Product name	LS3000R
Configuration	Consists of two parts: Large Capacity Input Tray (LCIT) Large Capacity Output Tray (LCOT) LCIT can be used independently 3,000 sheets (20 lb.)
Paper feed tray stack capacity	
Paper delivery tray stack capacity	3,000 sheets (20 lb.)
Delivery paper size	Max: 11.69" x 17" Min: 5" x 7.16"
Delivery paper weight	12.5 lb. Bond - 110 lb. Index

Available Ink Colors

Standard color inks	Red, Green, Blue, Grey, Orange, Maroon, Yellow, Teal, Brown, Navy, Purple, Burgundy, Hunter green, Violet, Gold, Reflex blue
CM (Custom) color inks	Available

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